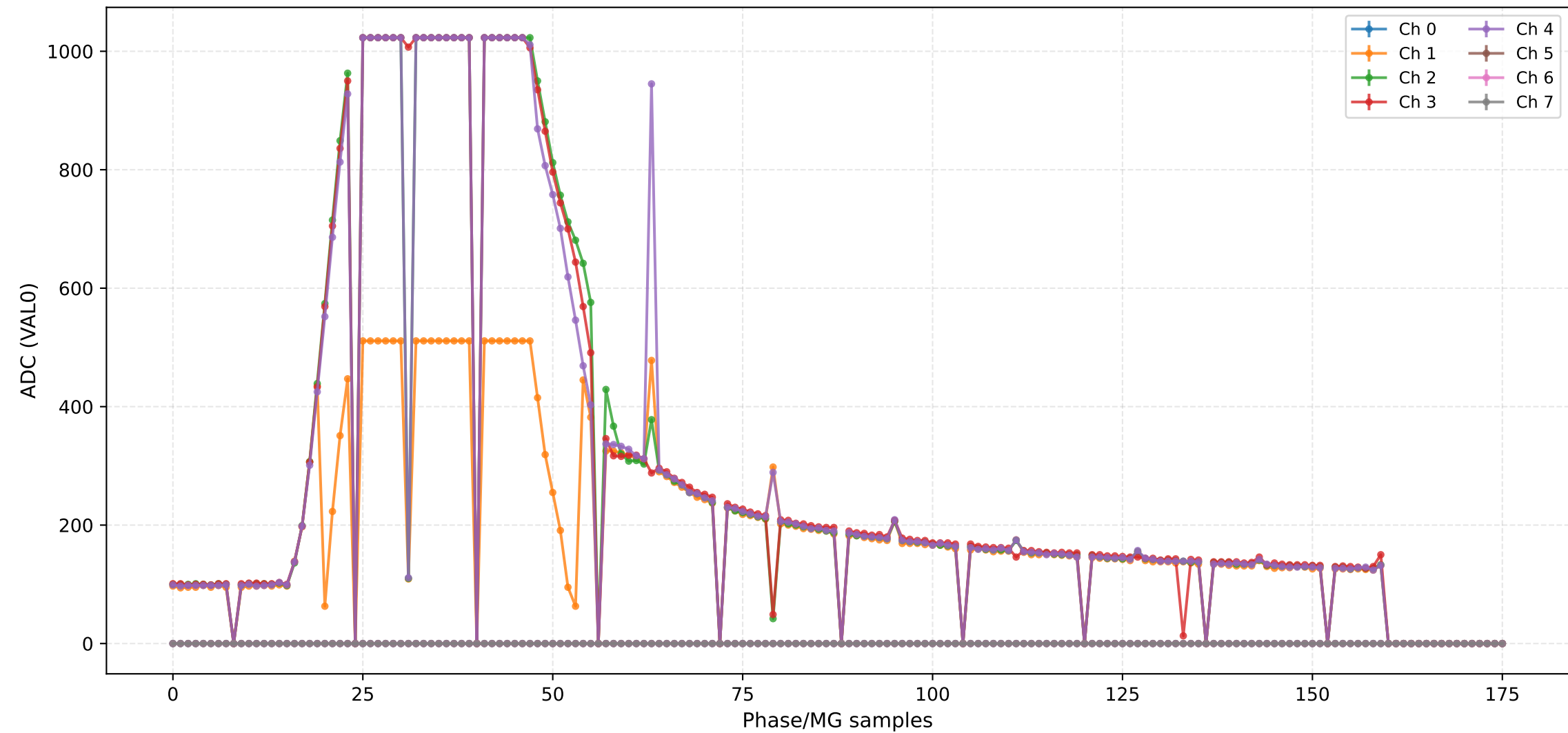


## ADC (VAL0) - Channels 0 to 7



### ADC (VAL0) - Channels 8 to 15



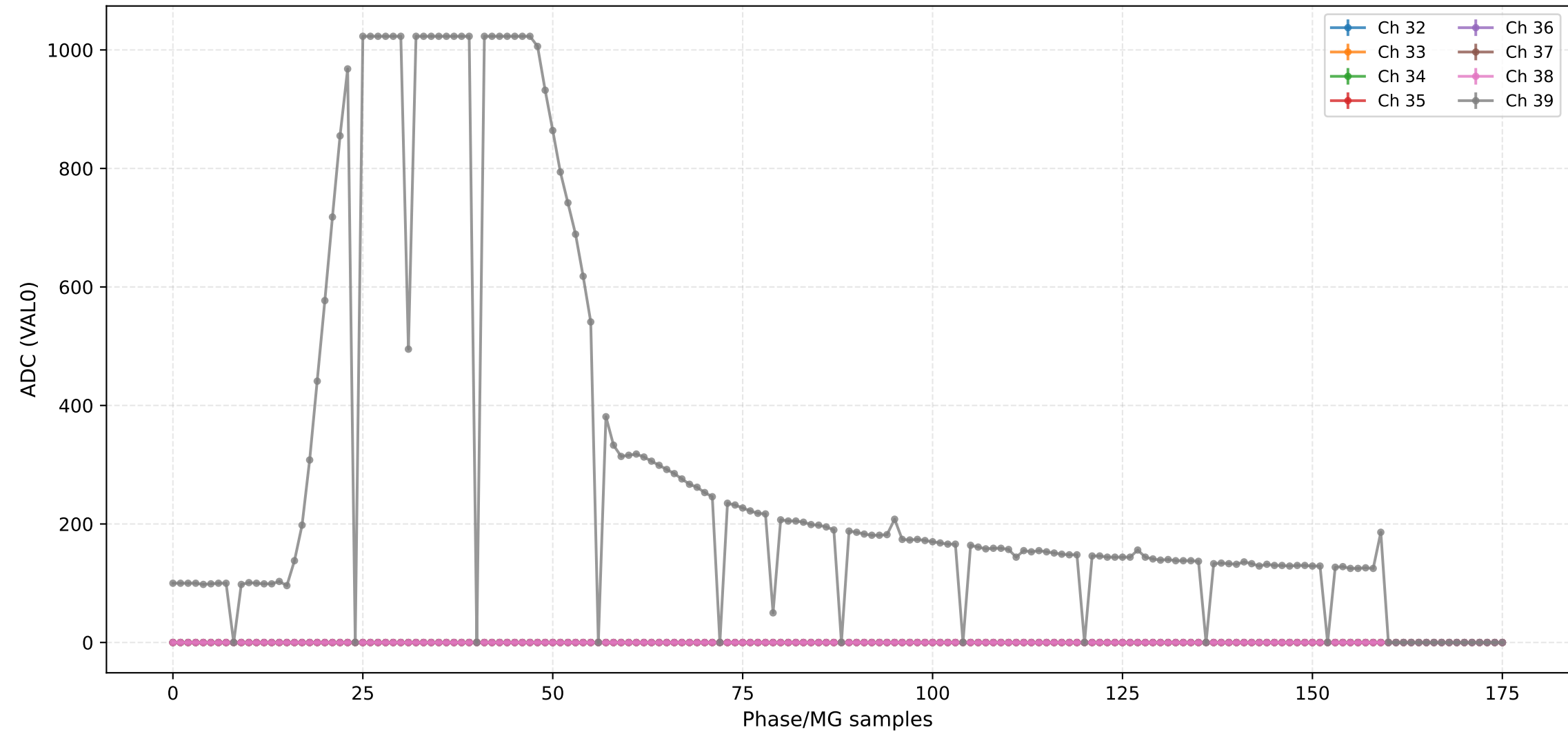
### ADC (VAL0) - Channels 16 to 23



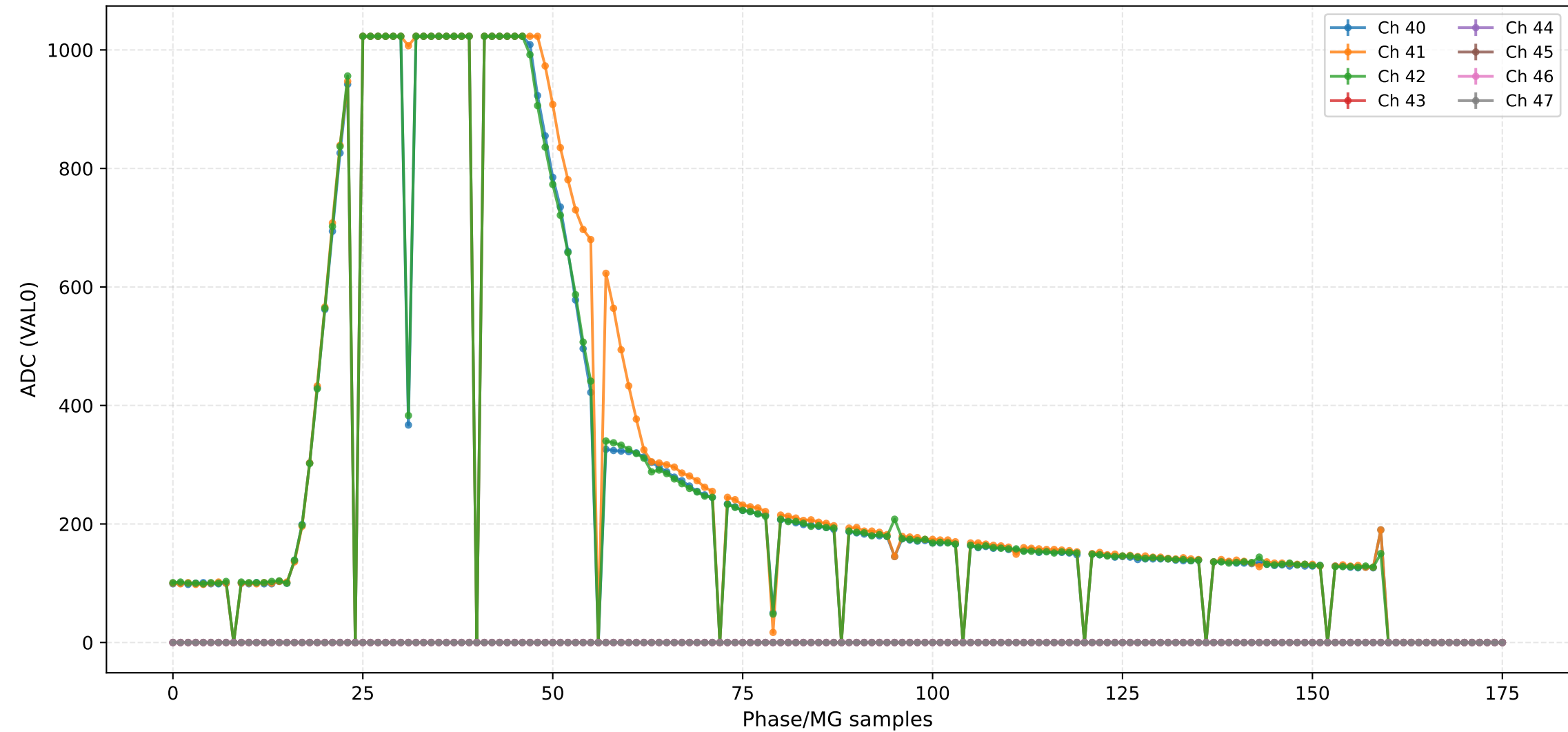
### ADC (VAL0) - Channels 24 to 31



## ADC (VAL0) - Channels 32 to 39



ADC (VAL0) - Channels 40 to 47



## ADC (VAL0) - Channels 48 to 55



### ADC (VAL0) - Channels 56 to 63

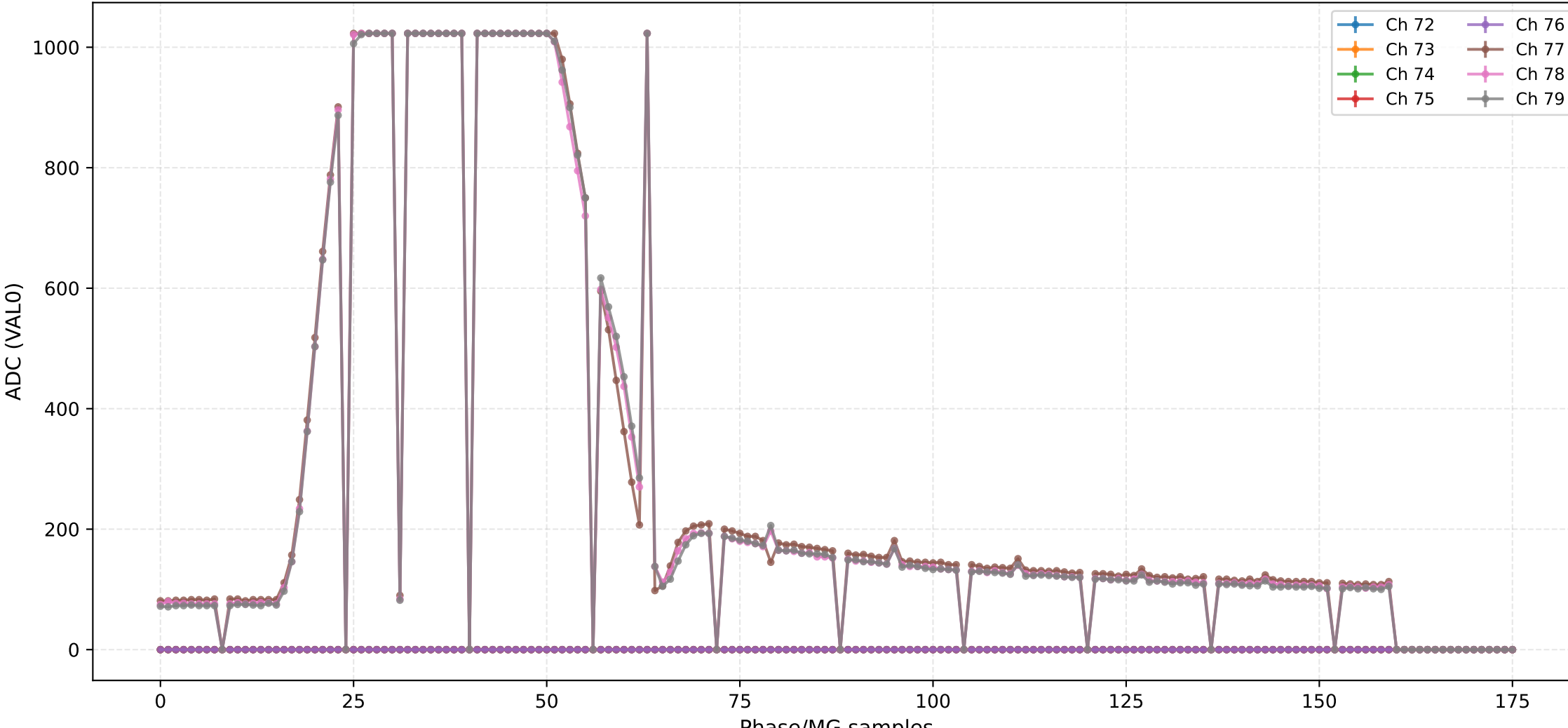




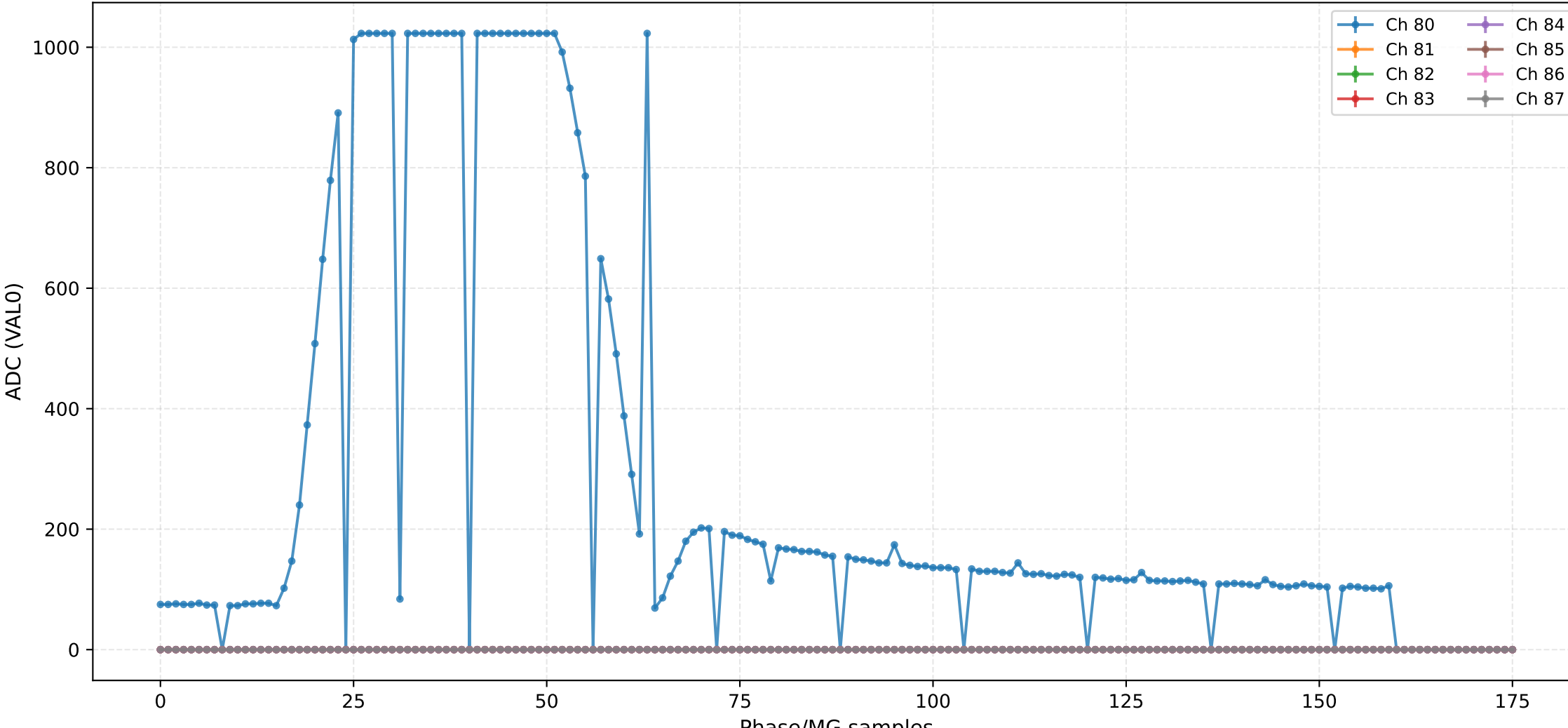
### ADC (VAL0) - Channels 64 to 71



## ADC (VAL0) - Channels 72 to 79



## ADC (VAL0) - Channels 80 to 87



### ADC (VAL0) - Channels 88 to 95



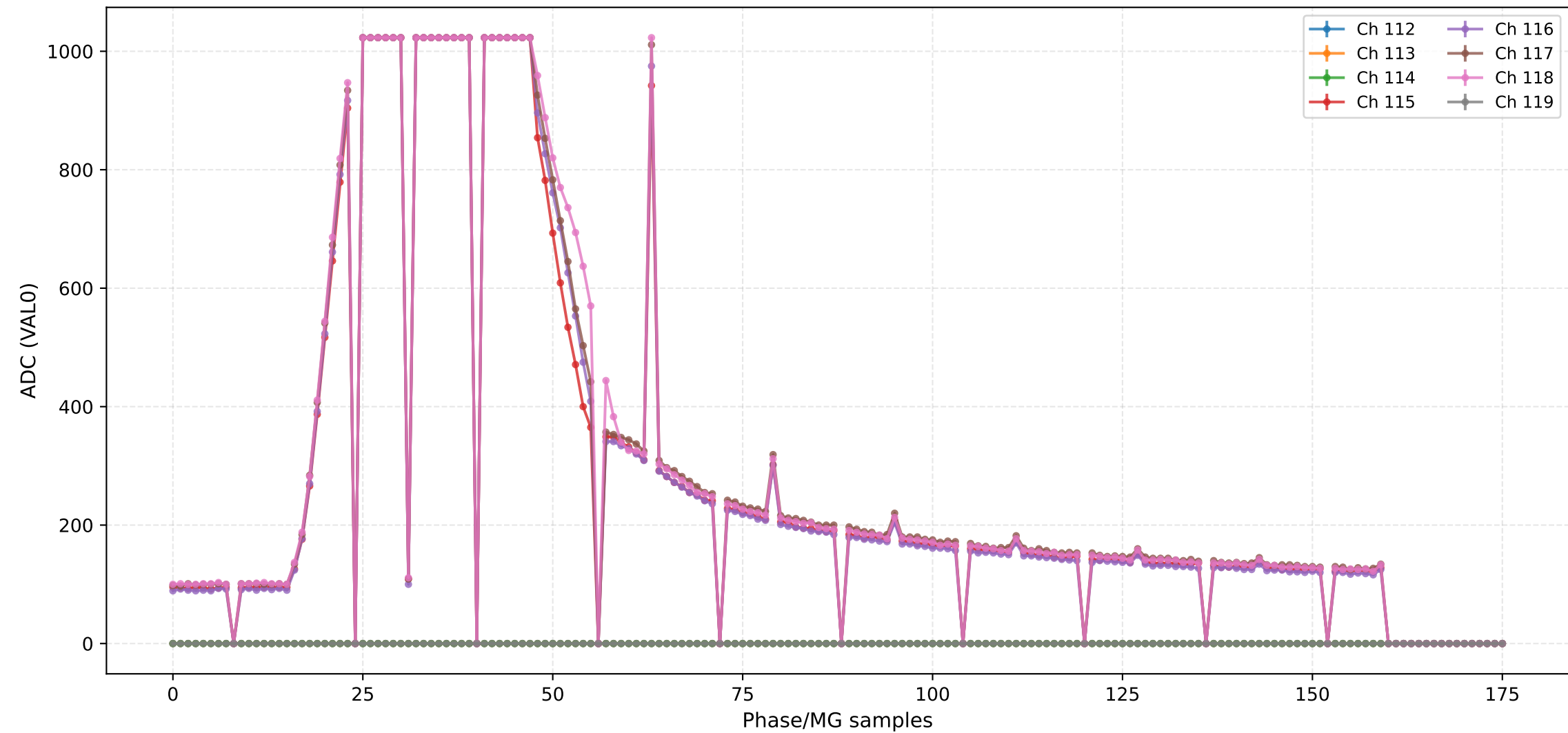
## ADC (VAL0) - Channels 96 to 103



## ADC (VAL0) - Channels 104 to 111



## ADC (VAL0) - Channels 112 to 119



## ADC (VAL0) - Channels 120 to 127





### ADC (VAL0) - Channels 128 to 135



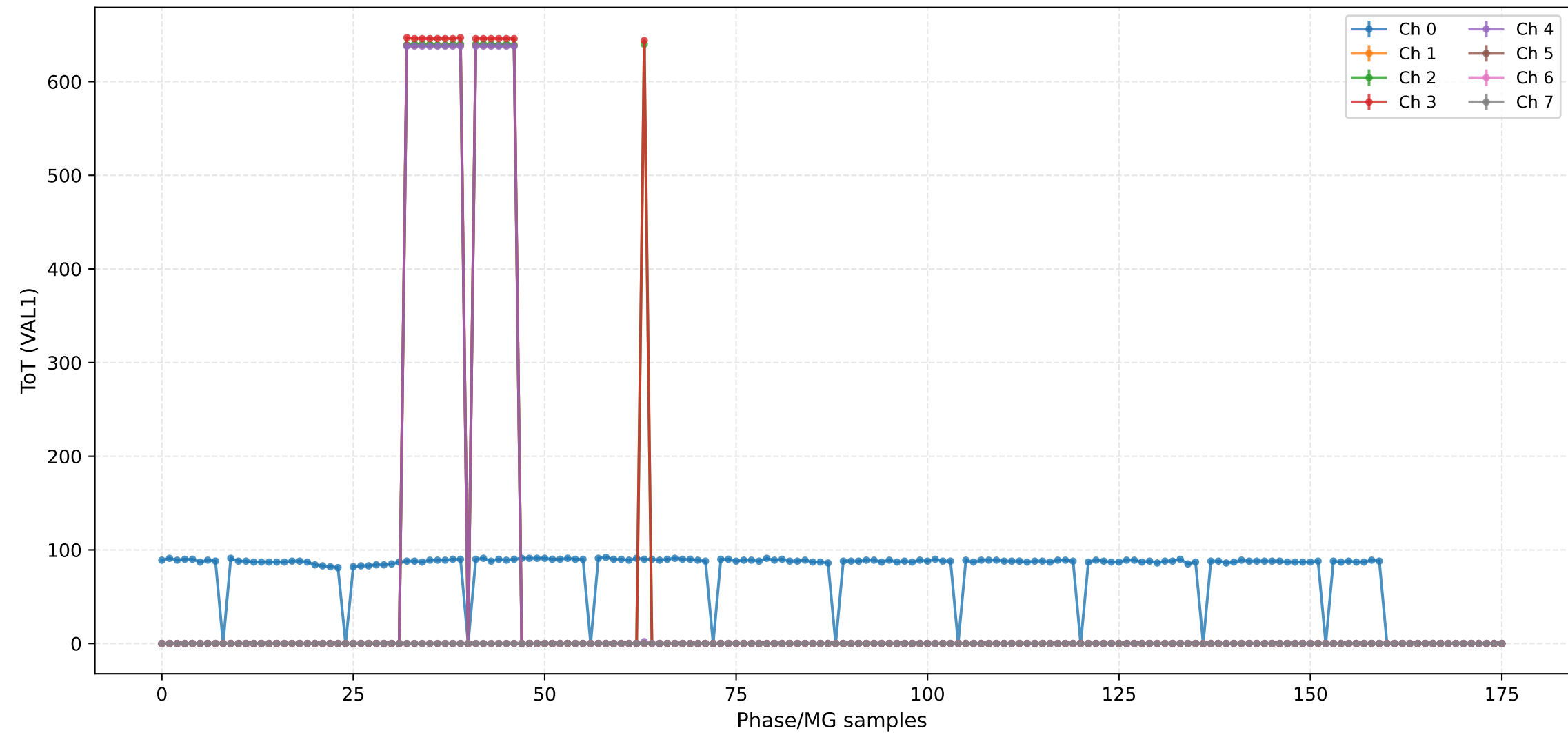
## ADC (VAL0) - Channels 136 to 143



## ADC (VAL0) - Channels 144 to 151



ToT (VAL1) - Channels 0 to 7



## ToT (VAL1) - Channels 8 to 15



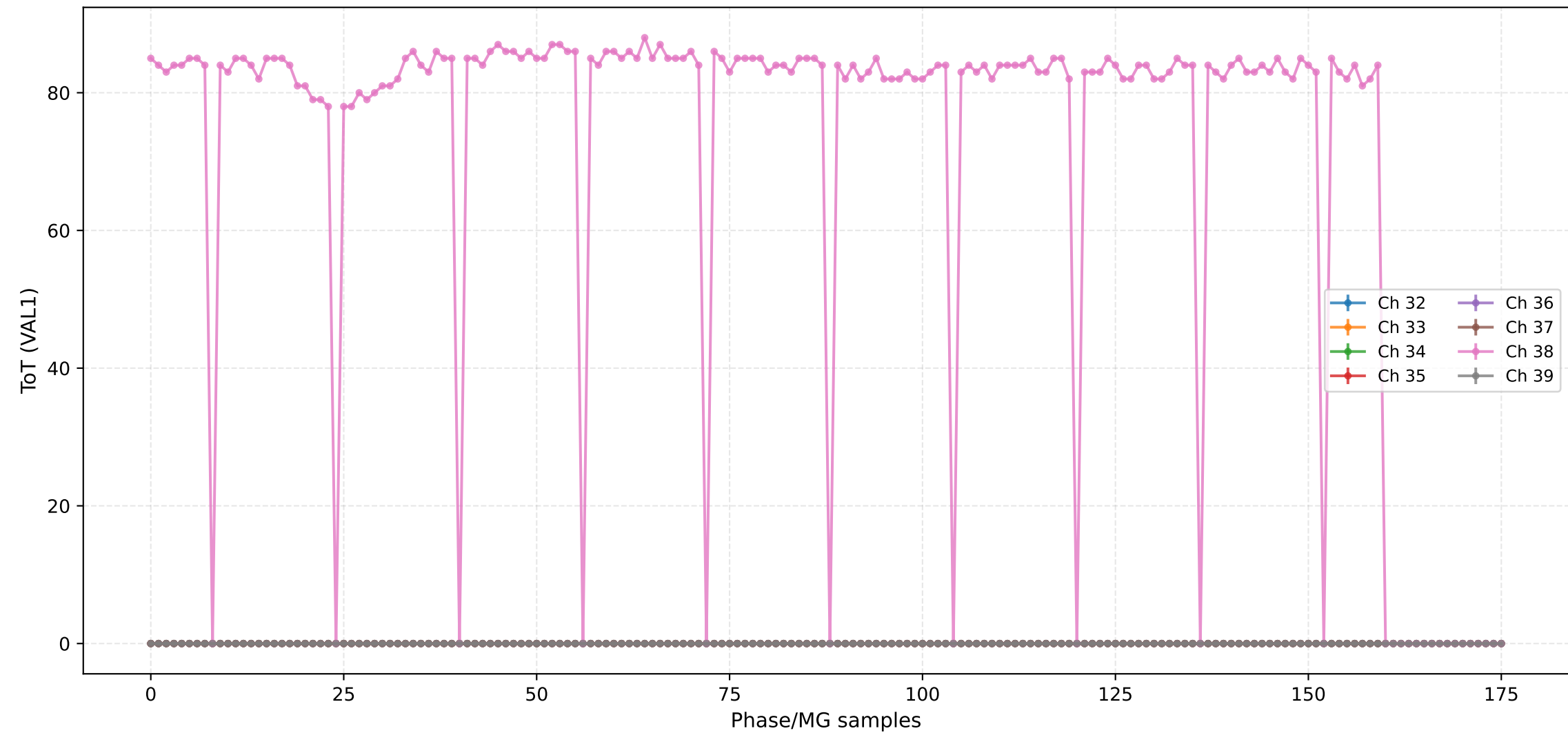
### ToT (VAL1) - Channels 16 to 23



ToT (VAL1) - Channels 24 to 31



## ToT (VAL1) - Channels 32 to 39





ToT (VAL1) - Channels 40 to 47



ToT (VAL1) - Channels 48 to 55



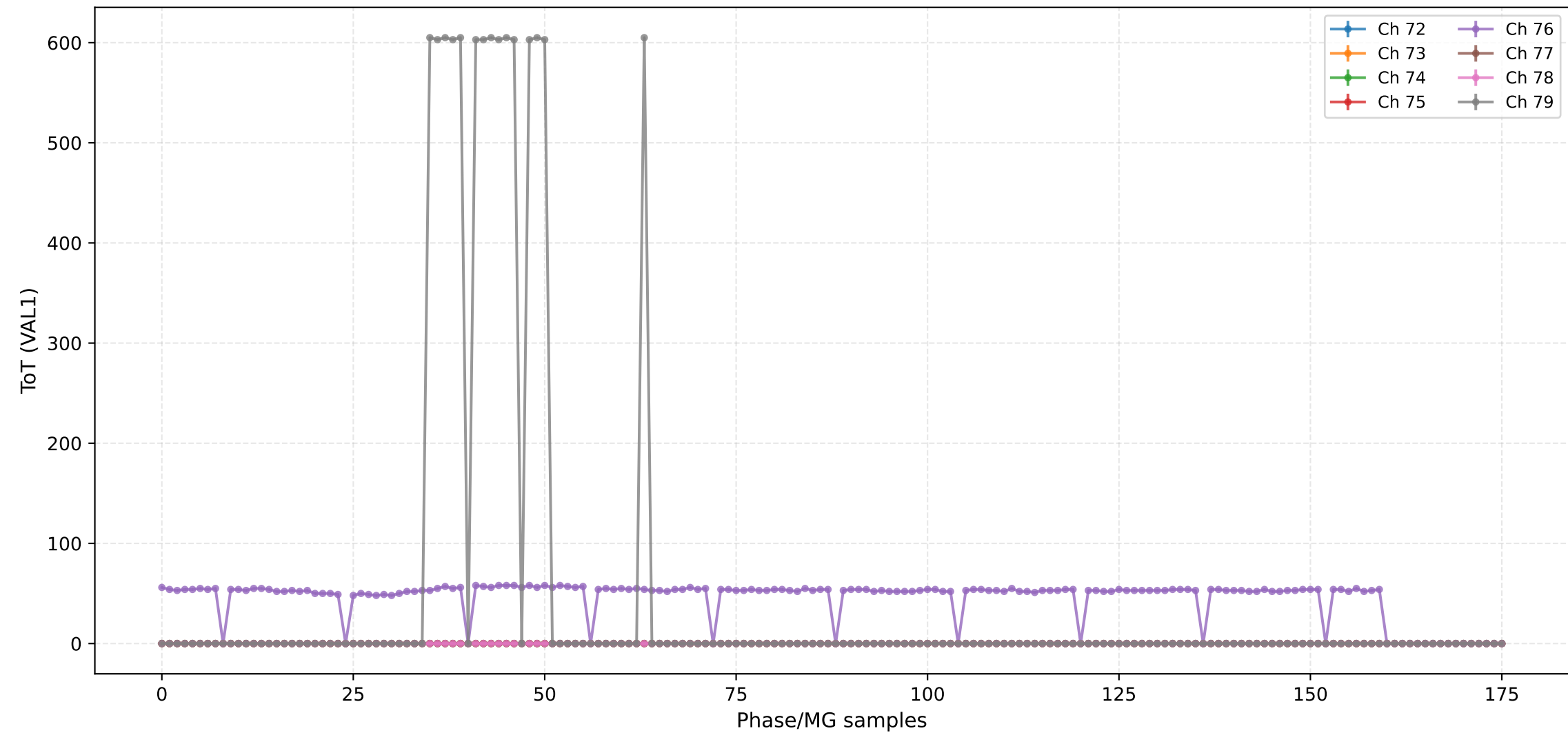
### ToT (VAL1) - Channels 56 to 63



ToT (VAL1) - Channels 64 to 71



ToT (VAL1) - Channels 72 to 79



## ToT (VAL1) - Channels 80 to 87



### ToT (VAL1) - Channels 88 to 95



## ToT (VAL1) - Channels 96 to 103

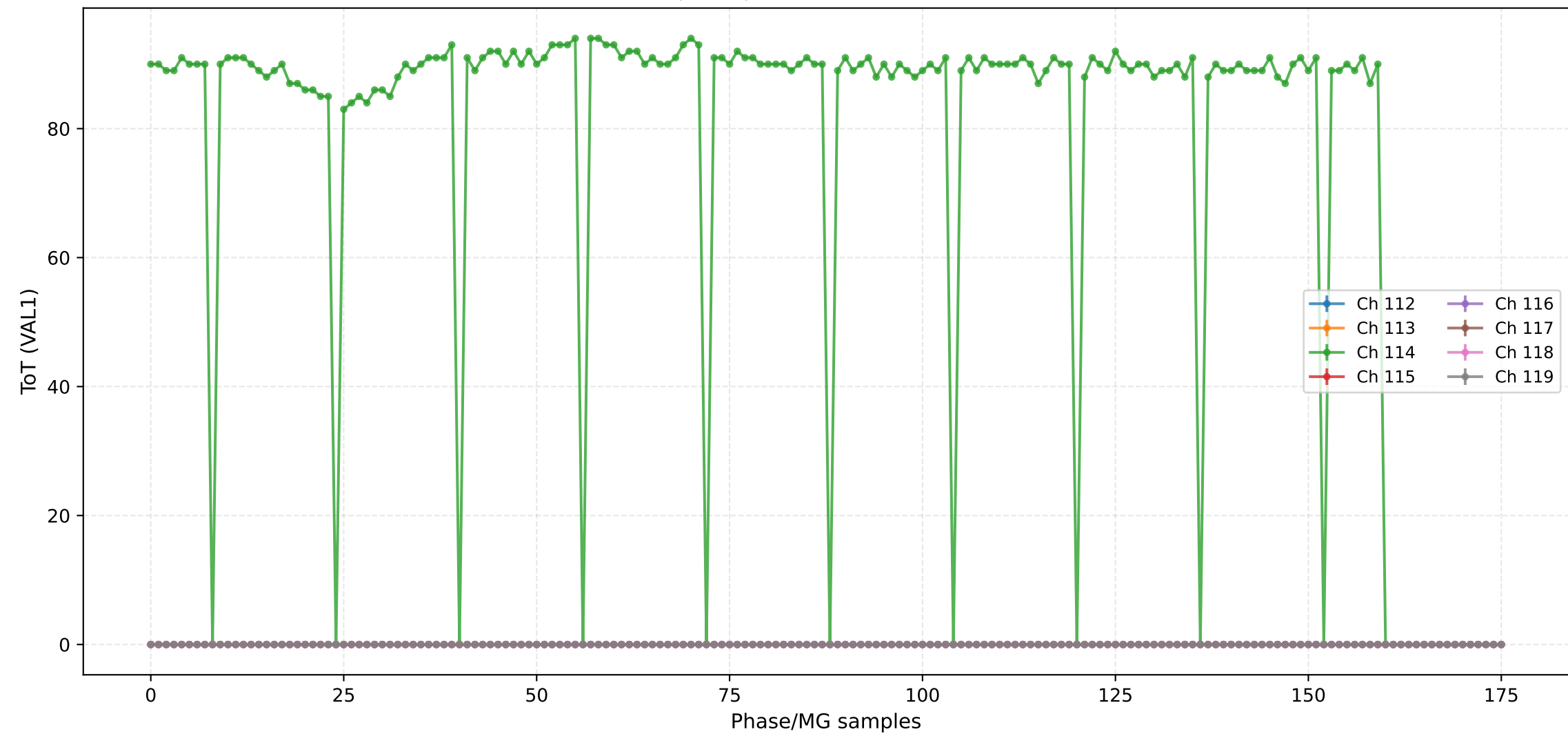




ToT (VAL1) - Channels 104 to 111



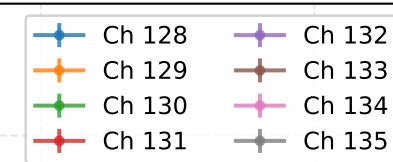
ToT (VAL1) - Channels 112 to 119



## ToT (VAL1) - Channels 120 to 127



The figure displays the time evolution of the expectation value of the Pauli matrix  $\sigma_y$  for six different channels (Ch 128 to Ch 131). The x-axis represents time in units of  $10^{-12}$  s, ranging from 0 to 175. The y-axis represents the expectation value, ranging from -0.5 to 0.5. All six channels show a constant value of approximately 0.05 throughout the entire time range.



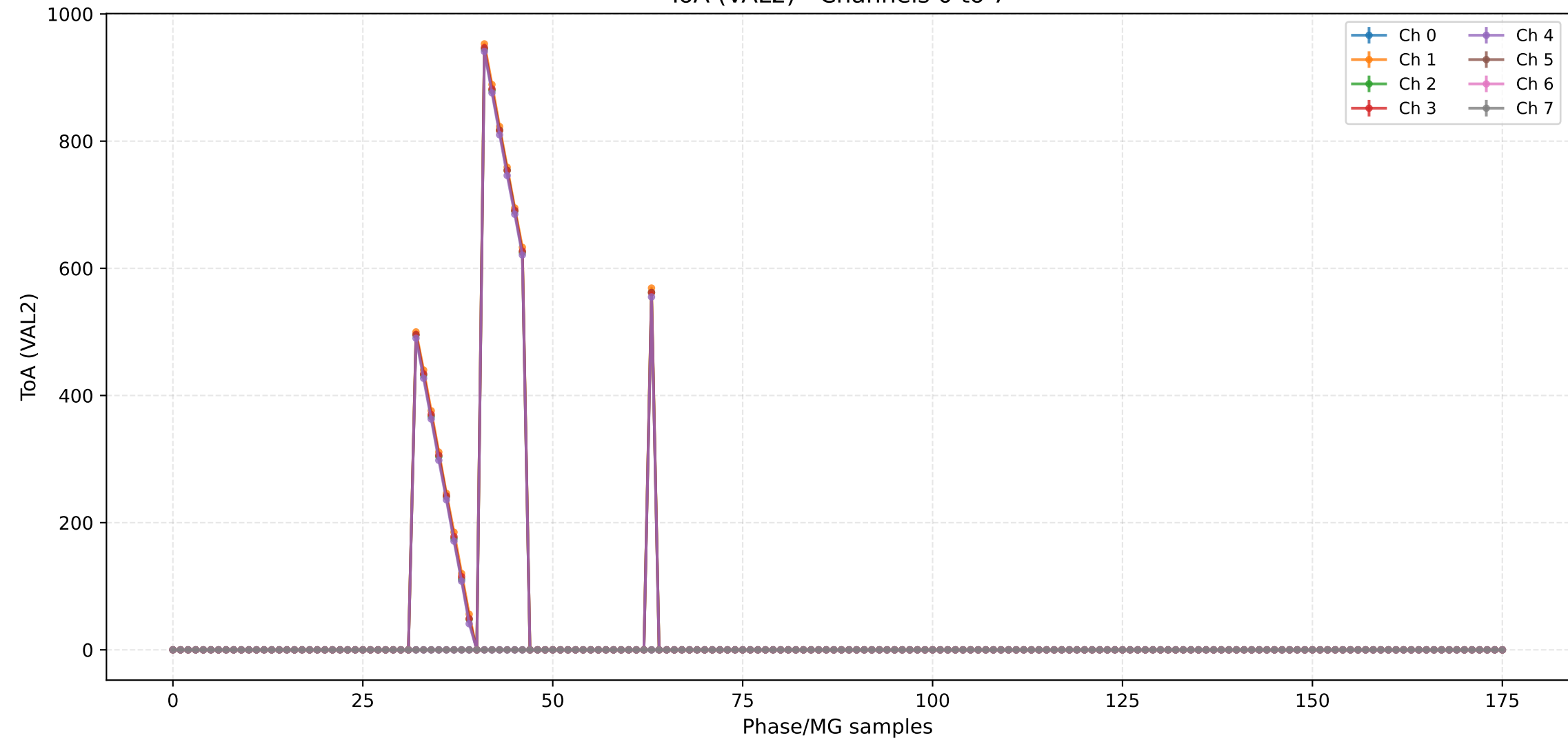
## ToT (VAL1) - Channels 136 to 143



### ToT (VAL1) - Channels 144 to 151



## ToA (VAL2) - Channels 0 to 7



## ToA (VAL2) - Channels 8 to 15





## ToA (VAL2) - Channels 16 to 23



### ToA (VAL2) - Channels 24 to 31



## ToA (VAL2) - Channels 32 to 39



## ToA (VAL2) - Channels 40 to 47



## ToA (VAL2) - Channels 48 to 55



ToA (VAL2) - Channels 56 to 63



## ToA (VAL2) - Channels 64 to 71







## ToA (VAL2) - Channels 80 to 87



ToA (VAL2) - Channels 88 to 95



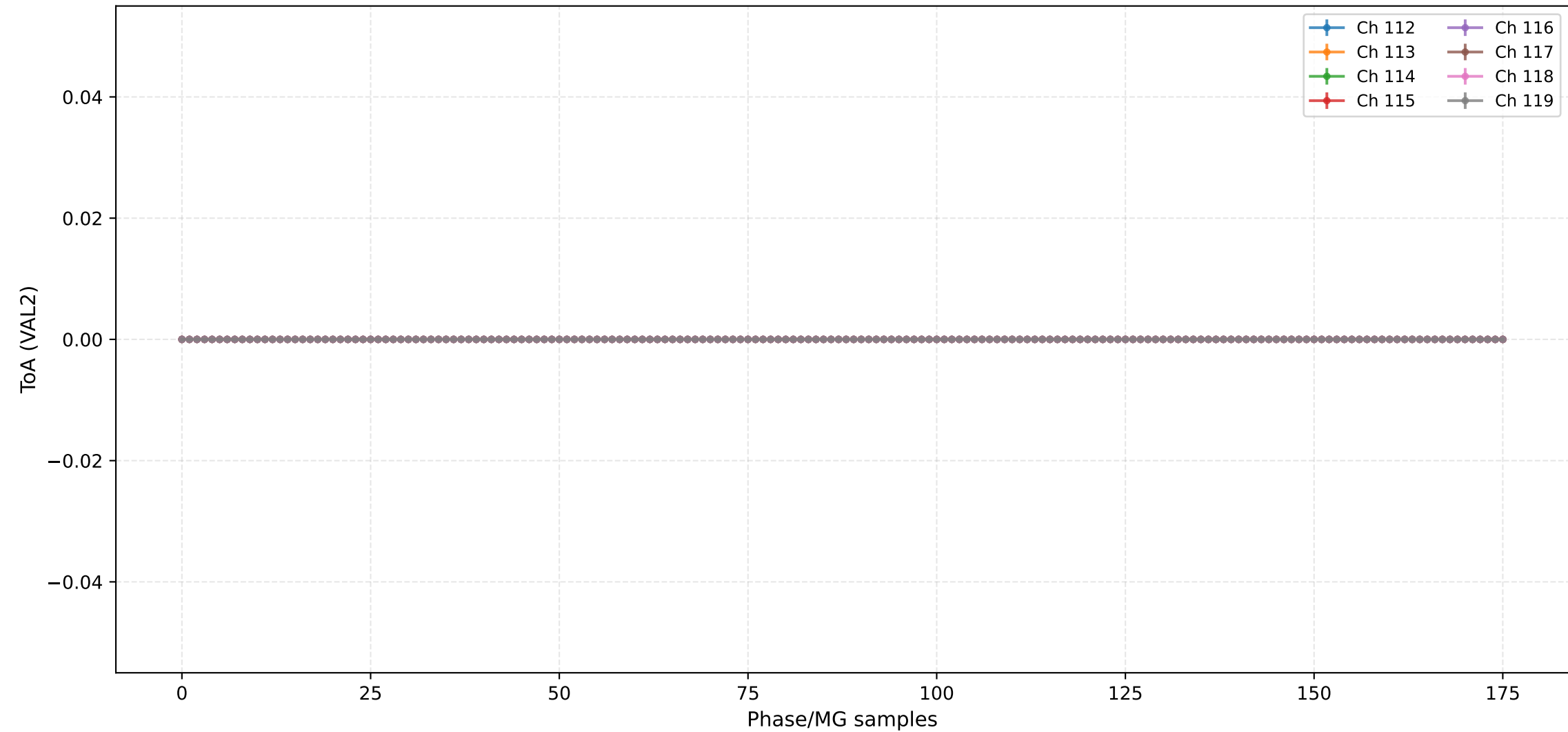
ToA (VAL2) - Channels 96 to 103



ToA (VAL2) - Channels 104 to 111



ToA (VAL2) - Channels 112 to 119



ToA (VAL2) - Channels 120 to 127



## ToA (VAL2) - Channels 128 to 135



## ToA (VAL2) - Channels 136 to 143





The plot displays the time evolution of the expectation value of the Pauli matrix  $\sigma_y$  for various channels. The x-axis represents time from 0 to 150, and the y-axis represents the expectation value from -1 to 1. A horizontal line at  $y=0$  indicates that the expectation value of  $\sigma_y$  remains zero for all channels and times. The legend identifies channels Ch 144 (blue), Ch 145 (orange), Ch 146 (green), Ch 147 (red), Ch 148 (purple), Ch 149 (brown), Ch 150 (pink), and Ch 151 (grey).



## Injection Scan Results

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Script: 205\_Injection v1.0

Date: 2025-12-12 15:53:49

### Configuration:

- Total ASICs: 2
- Injection DAC: 1100
- Machine Gun: 10
- Scan Pack: 2
- Scan Channels: 10
- 2.5V Injection: True
- High Range Injection: False

### Analog Settings:

- RF: 0x-1
- CF: 0x-1
- CC: 0x-1
- CF Comp: 0x-1

### Output Files:

- 205\_Injection\_asic2\_injdac1100\_mg10\_pack2\_chn10\_val0.csv
- 205\_Injection\_asic2\_injdac1100\_mg10\_pack2\_chn10\_val1.csv
- 205\_Injection\_asic2\_injdac1100\_mg10\_pack2\_chn10\_val2.csv